

**IN THE CLAIMS:**

The following is a complete listing of claims pending in the present application:

1. (Canceled)
2. (Currently amended) The apparatus of claim + 14, wherein the desoldering tool comprises a desoldering gun.
3. (Currently amended) The apparatus of claim + 14, wherein the desoldering tool comprises a desoldering iron.
4. (Currently amended) The apparatus of claim + 14, wherein the hollow metal wire is molded to conform to a cone-shaped tip of a desoldering tool.
5. (Currently amended) The apparatus of claim + 14, wherein the hollow metal wire is molded to conform to an edge-shaped tip of a desoldering tool.
6. (Currently amended) The apparatus of claim + 14, wherein the hollow metal wire is molded to conform to an elongated cone-shaped tip of a desoldering tool.
7. (Currently amended) The apparatus of claim + 14, wherein the hollow metal wire is molded to conform to a square-shaped tip of a desoldering tool.
8. (Currently amended) The apparatus of claim + 14, wherein the hollow metal wire is molded to conform to an angled-shaped angled-edge shaped tip of a desoldering tool.
9. (Currently amended) The apparatus of claim + 14, wherein the hollow metal wire is molded to conform to a rounded cone-shaped tip of a desoldering tool.
10. (Canceled)
11. (Canceled)

12. (Canceled)
13. (Currently amended) The apparatus of claim 12-14, wherein the metal threads have a gauge in the range of 0.01 to 0.10mm.
14. (Currently amended) ~~The apparatus of claim 12, wherein the plurality of metal thread comprises An apparatus for desoldering comprising:~~  
~~at least one hollow metal wire molded to conform to the tip of a desoldering tool;~~  
~~wherein the hollow metal wire is formed from a metal fabric;~~  
~~wherein the hollow metal fabric is formed from one or more metal ropes; and~~  
~~wherein the metal rope is formed by combining a plurality of metal threads~~  
~~comprising five metal threads.~~
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)
20. (Canceled)
21. (Canceled)
22. (Canceled)
23. (Currently amended): The desoldering sheath of claim 22-26, wherein a plurality of hollow metal wires are mounted onto the grommet.

24. (Currently amended): The desoldering sheath of claim 22 26, wherein the hollow metal wire includes a second end that is tapered.
25. (Original): The desoldering sheath of claim 23, wherein the plurality of hollow meal wires are oriented in a coaxial manner.
26. (Currently amended): The desoldering sheath of claim 22, A desoldering sheath comprising:  
a grommet;  
a hollow metal wire having an end that is mounted onto the grommet; and  
a grommet fastener adapted to secure the hollow metal wire onto the grommet,  
wherein the hollow metal wire is formed from a metal fabric, and wherein a diameter of  
the hollow metal wire is slightly less than a diameter of the grommet.